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## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

COUNTRY USSR/Austria REPORT  25X1

SUBJECT Soviet Army RI05 and RI06 Radios DATE DISTR. 7 November 1955

NO. OF PAGES 5 25X1

DATE OF INFO.  REQUIREMENT NO. RD

PLACE ACQUIRED  REFERENCES

DATE ACQUIRED  This is UNEVALUATED

SOURCE EVALUATIONS ARE DEFINITIVE APPR. INFORMATION IS TENTATIVE

ARMY review completed.

25X1

25 YEAR RE-REVIEW

C-O-N-F-I-D-E-N-T-I-A-L

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| STATE | X# | ARMY | X# | NAVY | X# | AIR | X# | FBI | X# | AEC |  |  |  |  |  |  |
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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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COUNTRY USSR/Austria

DATE DISTR. 27 Sept. 1955

SUBJECT Soviet Army R105 and R106 Radios

NO. OF PAGES 4

DATE OF INFORMATION

REFERENCES:

25X1

PLACE ACQUIRED

THIS IS UNEVALUATED INFORMATION

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25 YEAR RE-REVIEW

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## THE SOVIET ARMY R105 AND R106 RADIOS

In late Aug 54, [ ] regiment received two allegedly new types of radio. These radios were referred to in training lectures as the R105 and the R106.

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[ ] their general outside appearance [ ] is shown in Annexes A and B, of the R106 and R105 models respectively.

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Sig Co EM were told [ ]

the following:

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1. Both radios used the Kulikov whip type antenna which was about 170 cm long. The antenna consisted of connected duro-aluminum rings wrapped around a pliable metal rod. Both the R106 and the R105 could also utilize a dipole antenna, according to the instructor.

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2. The R105 was reported to have a range of five kilometers when using the Kulikov whip type antenna and a range of 15 kilometers when using the dipole antenna.

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3. The R106 was reported to have a range of three kilometers when using the Kulikov whip type antenna and a range of 10 km when using the dipole antenna.

4. The weight of the R105 was about 20 kg, of the R106 about 10 kg (fully loaded). Both the R105 and R106 were ultra high frequency radios. [ ] both had a fixed frequency.

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5. The R106 had only two tubes. type unknown. [ ]

[ ] neither of the radios worked well if there was even a slight hill or obstruction. Yet the radios were reported to work well in a thickly wooded area.

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[ ] These radios did not replace any old sets, but were a new issue to units that previously had no radios. However, some of the units that had received these radios had been using borrowed RBM-1's temporarily for training exercises, so tide them over until the allegedly new radios appeared.

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Annex A

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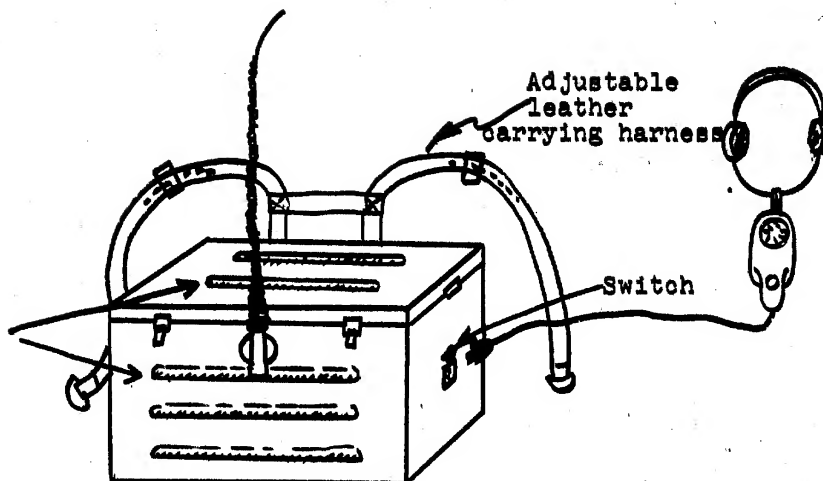
Sketch of R106 Ultra Short Wave Radio Set (not to scale)

25X1

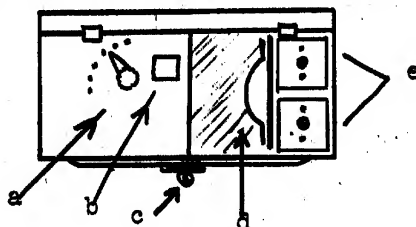
SET IN TRAVELING POSITION (ANTENNA,  
HAND MIKE AND HEADSET MAY BE PUT AWAY IN SET FOR MOVEMENT)

Date of Info: Aug 54 - Jun 55

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LEGEND:

- a. Ribbed Plastic Case approx 20 cm high, 20 cm wide and 30 cm long.
- b. Knob. Press when sending, release when receiving.

TOP VIEW OF SET WITH HINGED COVER OPENLEGEND:

- a. Selector knob. The dots shown at the end of the knob in the sketch were indentations to hold the selector in the selected channel.
- b. Range scale. A number appeared on the scale when the selector knob was turned. Extremes of the scale are unk.
- c. Antenna
- d. Empty compartment to hold antenna, microphone and head-set and spare parts.
- e. Two dry storage batteries, NKN-24 type.

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Annex B

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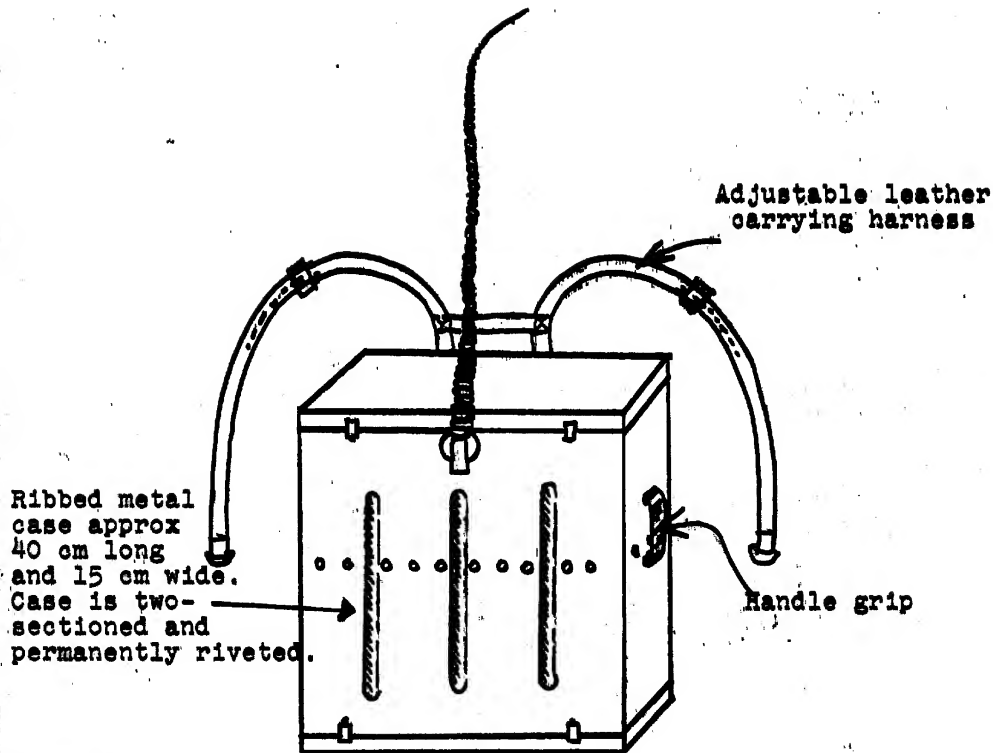
Sketch of R105 Ultra Short Wave Radio (not to scale)

25X1

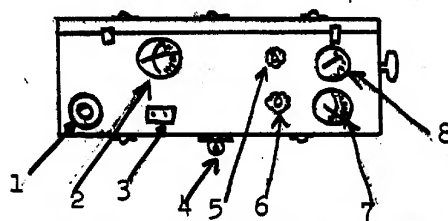
SET IN TRAVELING POSITION

Date of Info: Aug 54 - Jun 55

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LEGEND:

- a. Dry storage battery compartment. Hold two NKN-24 batteries.
- b. Compartment for holding antenna, microphones and head set, and spare parts.

TOP VIEW OF SET WITH HINGED COVER OPENLEGEND:

1. Insulated connection for fixed ground dipole antenna or for a longer 3 sectioned antenna, (each section about 30 cm) to which the Kulikov antenna was affixed.
2. Ampermeter
3. Microphone and head set connection.
4. Antenna
5. Frequency knob
6. Range selector knob
7. Range dial
8. Frequency dial

NOTE: The R105 used the same type of microphone and head set as the R106.

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